

Notice of Allowability	Application No.	Applicant(s)	
	10/751,472	SUNG ET AL.	
	Examiner	Art Unit	
	Jurie Yun	2882	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 2/2/07.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

DETAILED ACTION

1. The amendment filed 2/2/07 has been entered.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kerry P. Sisselman on 3/28/07.

The application has been amended as follows:

In claim 1, line 4, after "button;" insert -- and--

In claim 1, line 6, delete "; and" and replace with --, said handswitch housing connected to the portable x-ray unit such that--

In claim 1, line 7, delete "being" and replace with --is--

In claim 3, line 21, delete "an" and replace with --and--

In claim 7, line 17, delete the second occurrence of "the" (change "the the" to "the")

Allowable Subject Matter

3. Claims 1-12 are allowed.
4. The following is an examiner's statement of reasons for allowance: Prior art fails to disclose a remote control handswitch for a portable x-ray unit comprising a two-step switch formed of a standby button and an execution button, said handswitch housing

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connected to the portable x-ray unit such that a multi-function operation is performed with the portable x-ray unit based on a click operation of the two-step switch, as claimed in claim 1. Claim 2 is allowed due to its dependency on claim 1.

Prior art fails to disclose an operation method of a remote control handswitch for a portable x-ray unit comprising clicking a standby button of a two-step switch for a short period of time three times in series; switching the current mode to a remote control mode as a result of the clicking step; performing a remote control mode operation after the switching step; sequentially displaying a plurality of memory numbers, each memory number being associated with one of a plurality of preset memories after the performing step; displaying a kV value and an mAs value associated with each memory number, while the memory number is displayed in the sequentially displaying step, the displayed kV value and mAs value being blinked on the display; a scroll step in which the displayed memory numbers and the associated kV values and mAs values are continuously scrolled; clicking the standby button once, for a short period of time, when the desired memory number is displayed in the scroll step; and displaying the kV value and mAs value stored in the memory number selected in the clicking step, as claimed in claim 3.

Prior art fails to disclose an operation method of a remote control handswitch for a portable x-ray apparatus comprising clicking a standby button of a two-step switch for a short period of time three times in series; switching the current mode to a remote control mode as a result of the clicking step; performing a remote control mode operation after the switching step; sequentially displaying a plurality of memory

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numbers, each memory number being associated with one of a plurality of preset memories, after the performing step; displaying a kV value and an mAs value associated with each memory number, as each memory number is sequentially displayed; clicking a standby button once, for a short period of time, during the step in which the kV value and mAs value are displayed; executing a kV selection mode in response to the step in which the standby button is clicked once; in the rapidly increasing or decreasing step, selecting the displayed kV value when the standby button is released from the pressed state; and for both the increasing step and the rapidly increasing or decreasing step, automatically storing the displayed kV value for a certain time period after the standby button is released, as claimed in claim 4. Claims 5 and 6 are allowed due to their dependency on claim 4.

Prior art fails to disclose an operation method of a remote control handswitch for a portable x-ray unit comprising the steps of pressing a standby button of a two-step switch in communication with the handswitch, for a short period of time, twice within 0.8 seconds to turn on a collimator of the portable x-ray unit; and automatically turning the collimator on and off, after the collimator is automatically turned off using the lamp timer, as claimed in claim 7. Claims 8-12 are allowed due to their dependency on claim 7.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jurie Yun whose telephone number is 571 272-2497.

The examiner can normally be reached on Monday-Friday 8:30-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Glick can be reached on 571 272-2490. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Jurie Yun
Examiner
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March 29, 2007